

Rec'd PCT/PTO 14 MAR 2005  
10/506406

## DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

**MODIFIED PLASMINOGEN ACTIVATOR INHIBITOR TYPE-1 AND METHODS BASED THEREON**

and for which a patent application:

- ☐ is attached hereto and includes a preliminary amendment(s) filed on August 31, 2004 (if applicable)
- ☒ was filed in the United States on September 1, 2004 as Application No. 10/506,406 (for declaration not accompanying application) with preliminary amendment(s) filed on September 1, 2004 (if applicable)
- ☒ was filed as PCT international Application No. PCT/US03/06679 on March 4, 2003 and was amended under PCT Article 19 on (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION |            |                                      |   |                             |
|--|------------|--------------------------------------|---|-----------------------------|
| APPLICATION NUMBER   | COUNTRY    | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED                        |                             |
| <b>PCT/US03/06679</b>  | <b>PCT</b> | <b>March 4, 2003</b>                 | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> |
|  |            |                                      | YES <input type="checkbox"/>            | NO <input type="checkbox"/> |

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

| PROVISIONAL APPLICATION NUMBER | FILING DATE          |
|--------------------------------|----------------------|
| <b>60/361,670</b>              | <b>March 4, 2002</b> |
|                                |                      |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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|                     |   |                                     |                                    |   |                    |
|---------------------|---|-------------------------------------|------------------------------------|---|--------------------|
| 1-00<br>2<br>0<br>1 | FULL NAME OF INVENTOR                             | LAST NAME<br>SWIERCZ                | FIRST NAME<br>Rafal                | MIDDLE NAME                             |                    |
|                     | RESIDENCE & CITIZENSHIP                           | CITY<br>Bastrop TX                  | STATE OR FOREIGN COUNTRY<br>Texas  | COUNTRY OF CITIZENSHIP<br>Poland        |                    |
|                     | POST OFFICE ADDRESS                               | STREET<br>3950 Hwy. 71 East Apt.217 | CITY<br>Bastrop                    | STATE OR COUNTRY<br>Texas               | ZIP CODE<br>78602  |
|                     | SIGNATURE OF INVENTOR 201<br><i>Rafal Swiercz</i> |                                     |                                    | DATE<br>02/25/05                        |                    |
| 2<br>0<br>2         | FULL NAME OF INVENTOR                             | LAST NAME<br>SELMAN                 | FIRST NAME<br>Steven               | MIDDLE NAME<br>H.                       |                    |
|                     | RESIDENCE & CITIZENSHIP                           | CITY<br>Toledo                      | STATE OR FOREIGN COUNTRY<br>Ohio   | COUNTRY OF CITIZENSHIP<br>United States |                    |
|                     | POST OFFICE ADDRESS                               | STREET<br>4534 Granville Court      | CITY<br>Toledo                     | STATE OR COUNTRY<br>Ohio                | ZIP CODE<br>43615  |
|                     | SIGNATURE OF INVENTOR 202                         |                                     |                                    | DATE                                    |                    |
| 2<br>0<br>3         | FULL NAME OF INVENTOR                             | LAST NAME<br>JANKUN                 | FIRST NAME<br>Jerzy                | MIDDLE NAME                             |                    |
|                     | RESIDENCE & CITIZENSHIP                           | CITY<br>Sylvania                    | STATE OR FOREIGN COUNTRY<br>Ohio   | COUNTRY OF CITIZENSHIP<br>United States |                    |
|                     | POST OFFICE ADDRESS                               | STREET<br>7014 Oakshade Road        | CITY<br>Sylvania                   | STATE OR COUNTRY<br>Ohio                | ZIP CODE<br>43560  |
|                     | SIGNATURE OF INVENTOR 203                         |                                     |                                    | DATE                                    |                    |
| 2<br>0<br>4         | FULL NAME OF INVENTOR                             | LAST NAME<br>CHOROSTOWSKA-WYNIMKO   | FIRST NAME<br>Joanna               | MIDDLE NAME                             |                    |
|                     | RESIDENCE & CITIZENSHIP                           | CITY<br>Warsaw                      | STATE OR FOREIGN COUNTRY<br>Poland | COUNTRY OF CITIZENSHIP<br>Poland        |                    |
|                     | POST OFFICE ADDRESS                               | STREET<br>66A Bielszowicka Str      | CITY<br>Warsaw                     | STATE OR COUNTRY<br>Poland              | ZIP CODE<br>04-738 |
|                     | SIGNATURE OF INVENTOR 204                         |                                     |                                    | DATE                                    |                    |
| 2<br>0<br>5         | FULL NAME OF INVENTOR                             | LAST NAME<br>SKRZYPCZAK-JANKUN      | FIRST NAME<br>Ewa                  | MIDDLE NAME                             |                    |
|                     | RESIDENCE & CITIZENSHIP                           | CITY<br>Sylvania                    | STATE OR FOREIGN COUNTRY<br>Ohio   | COUNTRY OF CITIZENSHIP<br>United States |                    |
|                     | POST OFFICE ADDRESS                               | STREET<br>7014 Oakshade Road        | CITY<br>Sylvania                   | STATE OR COUNTRY<br>Ohio                | ZIP CODE<br>43560  |
|                     | SIGNATURE OF INVENTOR 205                         |                                     |                                    | DATE                                    |                    |

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|--|---------|--------------------------------------|---|-----------------------------|
| APPLICATION NUMBER   | COUNTRY | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED                        |                             |
| PCT/US03/06679   | PCT     | March 4, 2003                        | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> |
|  |         |                                      | YES <input type="checkbox"/>            | NO <input type="checkbox"/> |

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

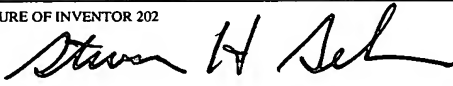
| PROVISIONAL APPLICATION NUMBER | FILING DATE   |
|--------------------------------|---------------|
| 60/361,670                     | March 4, 2002 |
|                                |               |

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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|   |             |          |         |           |
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|  |                         |                                   |                                    |   |                    |
|--|-------------------------|-----------------------------------|------------------------------------|---|--------------------|
| 2<br>0<br>1  | FULL NAME OF INVENTOR   | LAST NAME<br>SWIERCZ              | FIRST NAME<br>Rafal                | MIDDLE NAME                             |                    |
|  | RESIDENCE & CITIZENSHIP | CITY<br>Smithville                | STATE OR FOREIGN COUNTRY<br>Texas  | COUNTRY OF CITIZENSHIP<br>Poland        |                    |
|  | POST OFFICE ADDRESS     | STREET<br>1808 Park Road 1-C      | CITY<br>Smithville                 | STATE OR COUNTRY<br>Texas               | ZIP CODE<br>78957  |
| SIGNATURE OF INVENTOR 201  |                         |                                   | DATE                               |   |                    |
| 2002   | FULL NAME OF INVENTOR   | LAST NAME<br>SELMAN               | FIRST NAME<br>Steven               | MIDDLE NAME<br>H.                       |                    |
|  | RESIDENCE & CITIZENSHIP | CITY<br>Toledo                    | STATE OR FOREIGN COUNTRY<br>Ohio   | COUNTRY OF CITIZENSHIP<br>United States |                    |
|  | POST OFFICE ADDRESS     | STREET<br>4534 Granville Court    | CITY<br>Toledo                     | STATE OR COUNTRY<br>Ohio                | ZIP CODE<br>43615  |
| SIGNATURE OF INVENTOR 202<br> |                         |                                   | DATE<br>2/25/05                    |   |                    |
| 203  | FULL NAME OF INVENTOR   | LAST NAME<br>JANKUN               | FIRST NAME<br>Jerzy                | MIDDLE NAME                             |                    |
|  | RESIDENCE & CITIZENSHIP | CITY<br>Sylvania                  | STATE OR FOREIGN COUNTRY<br>Ohio   | COUNTRY OF CITIZENSHIP<br>United States |                    |
|  | POST OFFICE ADDRESS     | STREET<br>7014 Oakshade Road      | CITY<br>Sylvania                   | STATE OR COUNTRY<br>Ohio                | ZIP CODE<br>43560  |
| SIGNATURE OF INVENTOR 203  |                         |                                   | DATE                               |   |                    |
| 204  | FULL NAME OF INVENTOR   | LAST NAME<br>CHOROSTOWSKA-WYNIMKO | FIRST NAME<br>Joanna               | MIDDLE NAME                             |                    |
|  | RESIDENCE & CITIZENSHIP | CITY<br>Warsaw                    | STATE OR FOREIGN COUNTRY<br>Poland | COUNTRY OF CITIZENSHIP<br>Poland        |                    |
|  | POST OFFICE ADDRESS     | STREET<br>66A Bielszowicka Str    | CITY<br>Warsaw                     | STATE OR COUNTRY<br>Poland              | ZIP CODE<br>04-738 |
| SIGNATURE OF INVENTOR 204  |                         |                                   | DATE                               |   |                    |
| 205  | FULL NAME OF INVENTOR   | LAST NAME<br>SKRZYPCZAK-JANKUN    | FIRST NAME<br>Ewa                  | MIDDLE NAME                             |                    |
|  | RESIDENCE & CITIZENSHIP | CITY<br>Sylvania                  | STATE OR FOREIGN COUNTRY<br>Ohio   | COUNTRY OF CITIZENSHIP<br>United States |                    |
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| SIGNATURE OF INVENTOR 205  |                         |                                   | DATE                               |   |                    |

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| <b>PCT/US03/06679</b>  | <b>PCT</b> | <b>March 4, 2003</b>                 | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> |
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|-------------|---------------------------|-----------------------------------|------------------------------------|---|--------------------|
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|             | RESIDENCE & CITIZENSHIP   | CITY<br>Sylvania OH.              | STATE OR FOREIGN COUNTRY<br>Ohio   | COUNTRY OF CITIZENSHIP<br>United States |                    |
|             | POST OFFICE ADDRESS       | STREET<br>7014 Oakshade Road      | CITY<br>Sylvania                   | STATE OR COUNTRY<br>Ohio                | ZIP CODE<br>43560  |
|             | SIGNATURE OF INVENTOR 203 |                                   |                                    | DATE<br>2/25/05                         |                    |
| 2<br>0<br>4 | FULL NAME OF INVENTOR     | LAST NAME<br>CHOROSTOWSKA-WYNIMKO | FIRST NAME<br>Joanna               | MIDDLE NAME                             |                    |
|             | RESIDENCE & CITIZENSHIP   | CITY<br>Warsaw                    | STATE OR FOREIGN COUNTRY<br>Poland | COUNTRY OF CITIZENSHIP<br>Poland        |                    |
|             | POST OFFICE ADDRESS       | STREET<br>66A Bielszowicka Str    | CITY<br>Warsaw                     | STATE OR COUNTRY<br>Poland              | ZIP CODE<br>04-738 |
|             | SIGNATURE OF INVENTOR 204 |                                   |                                    | DATE                                    |                    |
| 5-20        | FULL NAME OF INVENTOR     | LAST NAME<br>SKRZYPCZAK-JANKUN    | FIRST NAME<br>Ewa                  | MIDDLE NAME                             |                    |
|             | RESIDENCE & CITIZENSHIP   | CITY<br>Sylvania OH.              | STATE OR FOREIGN COUNTRY<br>Ohio   | COUNTRY OF CITIZENSHIP<br>United States |                    |
|             | POST OFFICE ADDRESS       | STREET<br>7014 Oakshade Road      | CITY<br>Sylvania                   | STATE OR COUNTRY<br>Ohio                | ZIP CODE<br>43560  |
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| PCT/US03/06679   | PCT     | March 4, 2003                        | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> |
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|                    | POST OFFICE ADDRESS   | STREET<br>7014 Oakshade Road                 | CITY<br>Sylvania                   | STATE OR COUNTRY<br>Ohio                | ZIP CODE<br>43560  |
|                    | SIGNATURE OF INVENTOR 203                                       |  |                                    | DATE                                    |                    |
| 400<br>2<br>0<br>4 | FULL NAME OF INVENTOR   | LAST NAME<br><del>CHOROSTOWSKA-WYNIMKO</del> | FIRST NAME<br>Joanna               | MIDDLE NAME                             |                    |
|                    | RESIDENCE & CITIZENSHIP   | CITY<br>Warsaw <i>PDX</i>                    | STATE OR FOREIGN COUNTRY<br>Poland | COUNTRY OF CITIZENSHIP<br>Poland        |                    |
|                    | POST OFFICE ADDRESS   | STREET<br>66A Bielszowicka Str               | CITY<br>Warsaw                     | STATE OR COUNTRY<br>Poland              | ZIP CODE<br>04-738 |
|                    | SIGNATURE OF INVENTOR 204<br><i>Joanna Chorostowska-Wynimko</i> |  |                                    | DATE<br><i>2/25/2005</i>                |                    |
| 2<br>0<br>5        | FULL NAME OF INVENTOR   | LAST NAME<br>SKRZYPCZAK-JANKUN               | FIRST NAME<br>Ewa                  | MIDDLE NAME                             |                    |
|                    | RESIDENCE & CITIZENSHIP   | CITY<br>Sylvania                             | STATE OR FOREIGN COUNTRY<br>Ohio   | COUNTRY OF CITIZENSHIP<br>United States |                    |
|                    | POST OFFICE ADDRESS   | STREET<br>7014 Oakshade Road                 | CITY<br>Sylvania                   | STATE OR COUNTRY<br>Ohio                | ZIP CODE<br>43560  |
|                    | SIGNATURE OF INVENTOR 205                                       |  |                                    | DATE                                    |                    |



EXPRESS MAIL NO.: EV452774894US

POWER OF ATTORNEY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                 |   |                      |                |
|-----------------|---|----------------------|----------------|
| Application of: | SWIERCZ et al.  | Confirmation No.:    | 8301           |
| Serial No.:     | 10/506,406  | Art Unit:            | To be Assigned |
| Filed:          | September 1, 2004   | Examiner:            | To be Assigned |
| For:            | MODIFIED PLASMINOGEN ACTIVATOR<br>INHIBITOR TYPE-I AND METHODS<br>BASED THEREON | Attorney Docket No.: | 9471-011-999   |
|                 |   | CAM No.:             | 209025-999010  |

**POWER OF ATTORNEY BY ASSIGNEE  
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71  
WITH STATEMENT UNDER 37 C.F.R. 3.73(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned assignee and Medical University of Ohio jointly own the entire interest in the above-identified subject application. The undersigned assignee hereby appoints Practitioners at Customer Number 20583 all of Jones Day, whose address is 222 East 41st Street, New York, New York 10017, as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. 3.71.

Please direct all correspondence for this application to Customer no. 20583.

**Statement Under 37 C.F.R. 3.73(b)**

states that it is:

- ☐ the assignee of the entire right, title, and interest; or  
☒ an assignee of less than the entire right, title and interest.

in the patent application/patent identified above by virtue of either:

- ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the United States Patent and Trademark Office on January 26, 2004 at Reel 014925, Frame 0312.

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[Note: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

**ASSIGNEE: MEDICAL COLLEGE OF OHIO**

Date:

2/28/2025

Signature:



Typed Name:

R. Douglas Wilkerson, Ph. D. 

Position/Title:

Associate Vice President for Research

EXPRESS MAIL NO.: EV452774894US

POWER OF ATTORNEY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                 |   |                      |                |
|-----------------|---|----------------------|----------------|
| Application of: | SWIERCZ et al.  | Confirmation No.:    | 8301           |
| Serial No.:     | 10/506,406  | Art Unit:            | To be Assigned |
| Filed:          | September 1, 2004   | Examiner:            | To be Assigned |
| For:            | MODIFIED PLASMINOGEN ACTIVATOR<br>INHIBITOR TYPE-1 AND METHODS<br>BASED THEREON | Attorney Docket No.: | 9471-011-999   |
|                 |   | CAM No.:             | 209025-999010  |

**POWER OF ATTORNEY BY ASSIGNEE  
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71  
WITH STATEMENT UNDER 37 C.F.R. 3.73(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned assignee and the University of Toledo jointly own the entire interest in the above-identified subject application. The undersigned assignee hereby appoints Practitioners at Customer Number 20583 all of Jones Day, whose address is 222 East 41st Street, New York, New York 10017, as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. 3.71.

Please direct all correspondence for this application to Customer no. 20583.

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The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

**ASSIGNEE: THE UNIVERSITY OF TOLEDO**

Date:

3/1/05

Signature:

Frank J. Calzonetti

Typed Name:

Frank J. Calzonetti, Ph.D.

Position/Title:

Vice Provost for Research,  
Graduate Education, & Economic  
Development